

WHAT IS CLAIMED IS:

1. A recreational vehicle comprising:
  - a main housing defining an interior living space having a floor located at a first level wherein the main housing defines a first wall having an opening formed therein;
  - a slide-out housing having a floor and an outer wall positioned within the opening in the first wall of the main housing, wherein the slide-out housing is adapted to be movable between a retracted position wherein the floor of the slide-out housing is positioned at a second level above the first level of the floor of the main housing and the outer wall is positioned substantially adjacent the first wall of the main housing and a deployed position wherein the outer wall is extended away from the first wall of the main housing and the floor of the slide-out housing is positioned at a third level below the second level so as to be more planar with the first level; and
  - a rotatable vertical movement member interposed between the main level of the housing, wherein the rotatable vertical movement member is rotatable between a first orientation and a second orientation wherein the floor of the slide-out housing is at the second level when the rotatable vertical movement member is in the first orientation and is at the third level when the rotatable vertical movement member is in the second orientation.
2. The vehicle of Claim 1, wherein the third level is co-planar with the first level.
3. The vehicle of Claim 1, further comprising a chassis and a set of wheels to permit rolling movement of the recreational vehicle over the ground.
4. The vehicle of Claim 3, wherein the recreational vehicle comprises a motorhome.
5. The vehicle of Claim 1, further comprising a deployment and retraction mechanism that moves the slide-out housing between the retracted and deployed positions.
6. The vehicle of Claim 5, wherein the deployment and retraction mechanism comprises a housing member that is mounted to the main housing and a telescoping member that is mounted to the slide-out housing, and wherein the telescoping member outwardly extends from the housing member so as to deploy the slide-out housing from the main

housing, and wherein the telescoping member extends within the housing member so as to retract the slide-out housing into the main housing.

7. The vehicle of Claim 1, wherein the rotatable vertical movement member comprises a cam assembly.

8. The vehicle of Claim 7, wherein the cam assembly includes a cam member that is rotatably mounted to the main housing so as to be rotatable between the first and second orientation.

9. The vehicle of Claim 8, wherein the cam member is actuated by a gear driven motor.

10. The vehicle of Claim 9, wherein the cam member is actuated by a piston that is attached to the main housing.

11. A recreational vehicle comprising:

- a main housing defining an interior living space having a floor located at a first level wherein the main housing defines a first wall having an opening formed therein;

- an extendable room having a floor and an outer wall positioned within the opening in the first wall of the main housing, wherein the extendable room is adapted to be movable between a retracted position wherein the floor of the extendable room is positioned at a second level above the first level of the floor of the main housing and the outer wall is positioned substantially adjacent the first wall of the main housing and a deployed position wherein the outer wall is extended away from the first wall of the main housing and the floor of the extendable room is positioned at a third level below the second level so as to be more planar with the first level; and

- a vertical movement member positioned on the main housing adjacent the opening in the first wall of the main housing so as to be interposed between the main level of the housing, and wherein the vertical movement member is rotatable between a first orientation and a second orientation wherein the floor of the extendable room is at the second level when the vertical movement member is in the first orientation and is at the third level when the vertical movement member is in the second orientation.

12. The vehicle of Claim 11, wherein the third level is co-planar with the first level.

13. The vehicle of Claim 11, further comprising a chassis and a set of wheels to permit rolling movement of the recreational vehicle over the ground.

14. The vehicle of Claim 13, wherein the recreational vehicle comprises a motorhome.

15. The vehicle of Claim 11, further comprising a deployment and retraction mechanism that moves the extendable room between the retracted and deployed positions.

16. The vehicle of Claim 15, wherein the deployment and retraction mechanism comprises a housing member that is mounted to the main housing and a telescoping member that is mounted to the extendable room, and wherein the telescoping member outwardly extends from the housing member so as to deploy the extendable room from the main housing, and wherein the telescoping member extends within the housing member so as to retract the extendable room into the main housing.

17. The vehicle of Claim 16, wherein the deployment and retraction mechanism comprises at least two housing members that are mounted to the main housing and at least two telescoping members that are mounted to the extendable room, and wherein the vertical movement member is interposed between the two telescoping members.

18. The vehicle of Claim 11, wherein the rotatable vertical movement member comprises a cam assembly.

19. The vehicle of Claim 18, wherein the cam assembly includes a cam member that is rotatably mounted to the main housing so as to be rotatable between the first and second orientation.

20. The vehicle of Claim 19, wherein the cam member is actuated by a gear driven motor.

21. The vehicle of Claim 20, wherein the cam member is actuated by a piston that is attached to the main housing.

22. A method of moving a slide-out assembly of a recreational vehicle, the method comprising:

positioning a slide-out room within the main housing of a recreational vehicle such that the floor of the slide-out room is positioned at a first level above the floor of the main housing and such that an outer wall of the slide-out room is positioned proximate to the outer wall of the main housing;

moving the slide-out room into a deployed position wherein the outer wall of the slide-out room is positioned distally from the outer wall of the main housing to thereby increase the floor space of the recreational vehicle; and

rotating a cam member engaged with the slide-out room so as to lower the slide-out room from the first level to a second level which is more co-planar with the floor of the main housing than the first level.

23. The method of Claim 22, wherein moving the slide-out assembly of a recreational vehicle comprises moving the slide-out assembly of a recreational vehicle having a chassis and a set of wheels to permit rolling movement of the recreational vehicle over the ground.

24. The method of Claim 22, wherein moving the slide-out assembly of a recreational vehicle comprises moving the slide-out assembly of a motorhome.

25. The method of Claim 22, wherein moving the slide-out room comprises moving the slide-out room with a deployment and retraction mechanism that moves the slide-out room between a retracted position and the deployed position.

26. The method of Claim 25, wherein the deployment and retraction mechanism comprises a housing member that is mounted to the main housing and a telescoping member that is mounted to the slide-out room, and wherein the telescoping member outwardly extends from the housing member so as to deploy the slide-out room from the main housing, and wherein the telescoping member extends within the housing member so as to retract the slide-out room into the main housing.

27. The method of Claim 22, wherein rotating the cam member vertically moves the slide-out room between the first and second level.

28. The method of Claim 27, wherein the cam member is rotatably mounted to the main housing so as to be rotatable between a first and second orientation.

29. The method of Claim 28, wherein the cam member is actuated by a gear driven motor.

30. The method of Claim 29, wherein the cam member is actuated by a piston that is attached to the main housing.